

# ANNUAL REPORT FOR 2008



**Scuppernong Mitigation Site  
Washington County  
TIP No. R-2548C**



Prepared By:  
Natural Environment Unit & Roadside Environmental Unit  
North Carolina Department of Transportation  
November 2008

## TABLE OF CONTENTS

SUMMARY .....	1
1.0 Introduction .....	2
.1 Project Description .....	2
.2 Purpose .....	2
.3 Project History .....	2
2.0 Vegetation: .....	3
.1 Success Criteria .....	3
.2 Description of Species.....	3
.3 Results of Vegetation Monitoring .....	3
.4 Conclusions. ....	3
3.0 Overall Conclusions and Recommendations .....	3

## FIGURES

Figure 1 – Site Location Map .....	4
------------------------------------	---

## APPENDICES

Appendix A – Site Photos .....	5
--------------------------------	---

## **SUMMARY**

The Scuppernong Mitigation Site is located in Washington County. The site was planted in March 2004 and was designed as mitigation for wetland impacts associated with roadway project R-2548C.

The mitigation encompasses approximately 1.26 acres total of wetland restoration which included 0.20 acres for filling activities and 1.06 acres for clearing activities. The 0.20 acres of restoration was required by the COE permit (Action ID No. 199703132) and the CAMA permit (No. 166-00), which included monitoring for this portion of the site. The 1.06 acres of restoration was required by the COE permit (Action ID No. 199703132) but did not include monitoring. The restoration effort involved the removal of the roadbed to existing wetland elevation. The site was then planted and will be monitored to ensure that it meets the vegetation success criteria. No hydrologic monitoring is required for this project; however, vegetation monitoring is required annually.

The 2008 vegetation monitoring of the site revealed that 0.20 acres is vegetated and the planted species are surviving but the other 1.06 acres has been mowed since the site was originally planted in March 2004. This portion will be replanted in the winter of 2009. Wetland mitigation signs will be installed along the perimeter of the site to ensure that the mowing does not continue to occur.

NCDOT proposes to continue vegetation monitoring of this site.

## **1.0 INTRODUCTION**

### **1.1 Project Description**

The Scuppernong Mitigation Site is located at the existing US 64 roadbed in Washington County at the intersection of US 64 Bypass and Benson Road (Figure 1). The site consists of approximately 1.26 acres of mitigation for wetland impacts associated with project R-2548C.

### **1.2 Purpose**

In order for a mitigation site to be considered successful, a site must meet vegetation success criteria. This report details the vegetation monitoring in 2008 at the Scuppernong Mitigation Site. Hydrologic monitoring was not required for the site.

### **1.3 Project History**

March 2004	Site planted
November 2008	Vegetation Monitoring (1 year)

## **2.0 VEGETATION: SCUPPERNONG MITIGATION SITE (YEAR 1 MONITORING)**

### **2.1 Success Criteria**

Success Criteria states that the permittee shall provide an annual update on the mitigation site at the annual NCDOT wetland mitigation monitoring meeting. This annual update will consist at a minimum of photographs provided during the agency monitoring report meeting and a brief report on the success of the wetland restoration area.

### **2.2 Description of Species**

The following wetland species were planted in the Wetland Restoration Area:

*Platanus occidentalis*, Sycamore

*Quercus phellos*, Willow Oak

*Betula nigra*, River Birch

*Quercus michauxii*, Swamp Chestnut Oak

### **2.3 Results of Vegetation Monitoring**

The wetland restoration area is re-attaining wetland jurisdictional status along one portion of the site. The planted species along with various wetland species are surviving in this area. The other portion of the site was mowed and will be replanted in the winter of 2009. Wetland mitigation signs will be installed along the perimeter of the site to ensure that the mowing does not continue to occur.

**Site Notes:** River birch and willow oak were the only two planted species noted surviving on site. Other species noted include: *Juncus* sp., woolgrass, red maple, cattail, sweetgum, baccharis, stinkweed, and other various wetland species.

### **2.4 Conclusions**

There were approximately 1.26 acres of wetland restoration planted on site. There were no plots established on the site. By visual observation, the Scuppernong Mitigation Site shows that the planted species are surviving along a portion of the site. The other portion of the site has been mowed and will be replanted.

## **3.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS**

NCDOT will replant the portion of the site that was mowed and continue vegetation monitoring at the Scuppernong Mitigation Site.

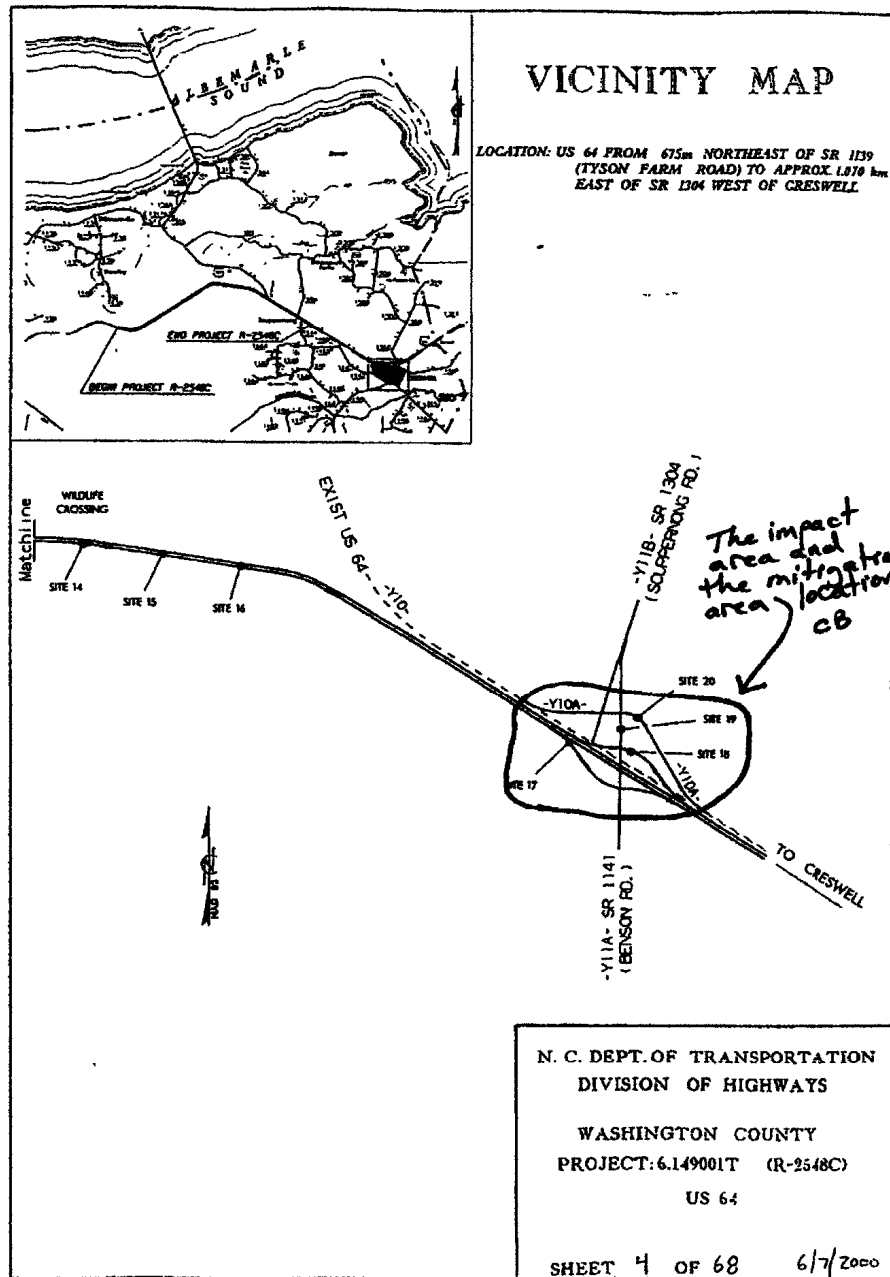


Figure 1. Site Location Map

**APPENDIX A**

**SITE PHOTOS**

# Scuppernong Mitigation Site



Photo 1



Photo 2



Photo 3



Photo 4

**P = PHOTO POINT LOCATIONS**

